Team members:

ZHUANG YI(active),

Jose(active)

Nguyen Phong

Le Nghia

Team work beforehand

ZHUANG Yi and Jose did pretty much everything about the project. Even though the original team members consist of Le Nghia as well ,but soon became inactive.

Nguyen Hai Phong Joined the team later on, we had our 3rd team meeting at 13:00 on 12.05.2017 with him, but apparently he did not know anything about our case assignment and did not process the required knowledge for this assignment, we had tried to explain to him, but it seems it was too difficult for him to take in all those knowledge at once, so he asked us if he could do the relational schema on the weekend, we said yes, then he left, YI ZHUANG and Jose continued working on the project that day. Later, the relational schema he did was not really a relational schema.

This report will be mainly about YI ZHUANG and Jose’s process.

For the ‘me’ in this report will be referred to YI ZHUANG, ‘he/him’ will be Jose.

On the first day of meeting, we spent a few hours on figuring out the ER diagram, relational schema, and did the repository temple (Draft, not final version) in the basement in a computer room which is only for students of BIT. The ER diagram was pretty rough, or rather incorrect, but it gave us an idea of how to conduct this project. The relational schema is completely designed based on the ER diagram.

On the second time of meeting, we first did some modification to the ER diagram and relational schema as they are very important, everything we did from that on is based on them. Then me and him divided the task for building the database, for the record everything we did on that day is not finalized, we continued changing them over the course of the project. Jose was creating the ‘create table’ stuff, I was making up a partial of the date which will support our test as well as creating ‘insert into values’ templates , so that we can just do it once Jose is done with the creating table.

On the third time of meeting, we continue modifying the attributes of our table, adding tables, deleting tables until they fit the requirements of the case that includes relational schema and the ER diagram. After inserting the remaining test data, we were trying to eliminate all those data redundancies according to data normalization materials. And then we were trying to create user-defined function for the constraints (do not allow overbooking), but sql server kept giving message like ‘Object cannot be found’, we spent hours trying to figure out this problem as well as searching information on how to create triggers, index. The database was already good enough for ‘Examples of the queries (user transactions) the new application should support are the following’ part of the requirements.

On the forth meeting, we finalized the ER diagram and relational schema as well as all those attributes for the table. I have written all the stored procedures and user-defines functions while he was working the trigger, indexes, adding the missing data which are meant for testing of our database. In the end, we figured out and documented all the required triggers and user defined functions as well as stored procedures to fit all the requirements of our case assignment, this has all been tested with the sample data.

The end product fits all the requirements of our case assignment, it is able to book a ticket, cancel a ticket, remove the unpurchased tickets 3 days from the booking automatically by using trigger those kind of stuff, basically everything including refunding money to clients if an event is cancelled automatically. Every requirement has been tested with the suited data in every way, basically everything is in the script including our test data.

Working time

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| --- | --- | --- | --- | --- | --- |
| Date | from | to | People | description | Location |
| 27.4.2017 | 12:00 | 17:00 | Jose Zapata - Yi Zhuang-Le Nghia | understanding the requirements, Le Nghia was there for 30 mins. | A computer room in the basement |
| 11.5.2017 | 14:00 | 17:30 | Jose Zapata - Yi Zhuang | Relational schema, Logical & ER diagram, creating tables, inserting data | Computer room on 3rd floor |
| 12.5.2017 | 1:00:00 PM | 7:00:00 PM | Jose Zapata - Yi Zhuang | Removing data deficiencies, creating tables, inserting data. Create constraints with functions. | Computer room on 3rd floor |
| 15.5.2017 | 11:00:00 AM | 11:45 PM | Jose Zapata - Yi Zhuang | Finalizing project, double checking everything works with sample data in Burger King | Computer room on 3rd floor |